



*[Handwritten signature]*  
PATENT  
41982/B600

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**U.S. Patent No.** : 6,904,082 B2  
**Issued** : June 7, 2005  
**Inventor(s)** : David Jones  
**Application No.** : 09/819,864  
**Filed** : March 28, 2001  
**Title** : DSL RATE ADAPTATION

**Confirmation No.** 4960

**Certificate**  
JAN 31 2006  
**of Correction**

### REQUEST FOR CERTIFICATE OF CORRECTION

Office of Certificates of Correction  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

P. O. Box 7068  
Pasadena, CA 91109-7068  
January 25, 2006

Commissioner:

Submitted herewith are two copies of a proposed Certificate of Correction for the above-referenced patent. The errors are identified in detail in the proposed certificate, and the corresponding text in the application is located as follows:

#### Location in Patent

#### Location in Application

#### PTO errors:

#### In the Claims

Column 33, line 16, Claim 5

Amendment dated Nov. 24, 2004, pg. 3, Old Claim 8, line 2

#### Applicant errors:

#### In the Drawings

FIG. 8, Sheet 8 of 21

Informal Drawings as Filed, FIG. 8

FIG. 24, Sheet 20 of 21

Informal Drawings as Filed, FIG. 24

Row 4, Column 4

Row 5, Column 4

FIG. 25, Sheet 21 of 21

Informal Drawings as filed, FIG. 25

Row 2, Column 5

Row 4, Column 5

01/30/2006 BABRAHA1 00000024 6904082

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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on: *Jan 25 2006* *Theresa [Signature]*

(Date of Deposit)

JAN 31 2006

U.S. Patent No. 6,904,082 *b2*

Applicant(s) errors were unintentional and inadvertent, and were made in good faith through oversight. Correction is accordingly requested under 35 U.S.C. § 255, and our check for the \$100 statutory fee is enclosed. Any deficiency or overpayment should be charged or credited to Deposit Account No. 03-1728. Please show our docket number with any credit or charge to our Deposit Account.

Correction of applicant(s) errors does not constitute new matter or require reexamination.  
Approval of this certificate is respectfully requested

Respectfully submitted,

**CHRISTIE, PARKER & HALE, LLP**

By



Raymond R. Tabandeh  
Reg. No. 43,945  
626/795-9900

RRT/clv

Enclosures: Certificate of Correction (2)  
Check \$100  
CLV PAS658119.1-\* 12/19/05 3:23 PM

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO. : 6,904,082 *B2*

DATED : Jun. 7, 2005

INVENTOR(S) : Jones

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the Claims**

Column 33, line 16, Claim 5

Delete ","

**In the Drawings**

FIG. 8, Sheet 8 of 21

Delete Drawing Sheet 8 and substitute therefore the Drawing Sheet, consisting of Fig. 8, as shown on the attached page

FIG. 24, Sheet 20 of 21

Delete Drawing Sheet 20 and substitute therefore the Drawing Sheet, consisting of Figs. 23 & 24, as shown on the attached page

Row 4, Column 4

Row 5, Column 4

FIG. 25, Sheet 21 of 21

Delete Drawing Sheet 21 and substitute therefore the Drawing Sheet, consisting of Fig. 25, as shown on the attached page

Row 2, Column 5

Row 4, Column 5

MAILING ADDRESS OF SENDER:

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P.O. Box 7068  
Pasadena, California 91109-7068

PATENT NO.

6,904,082

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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JAN 31 2006

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,904,082 *B2*  
 DATED : Jun. 7, 2005  
 INVENTOR(S) : Jones

Page 1 of 1

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### In the Claims

Column 33, line 16, Claim 5                          Delete ","

### In the Drawings

FIG. 8, Sheet 8 of 21  FIG. 24, Sheet 20 of 21 Row 4, Column 4 Row 5, Column 4  FIG. 25, Sheet 21 of 21 Row 2, Column 5 Row 4, Column 5	Delete Drawing Sheet 8 and substitute therefore the Drawing Sheet, consisting of Fig. 8, as shown on the attached page  Delete Drawing Sheet 20 and substitute therefore the Drawing Sheet, consisting of Figs. 23 & 24, as shown on the attached page  Delete Drawing Sheet 21 and substitute therefore the Drawing Sheet, consisting of Fig. 25, as shown on the attached page
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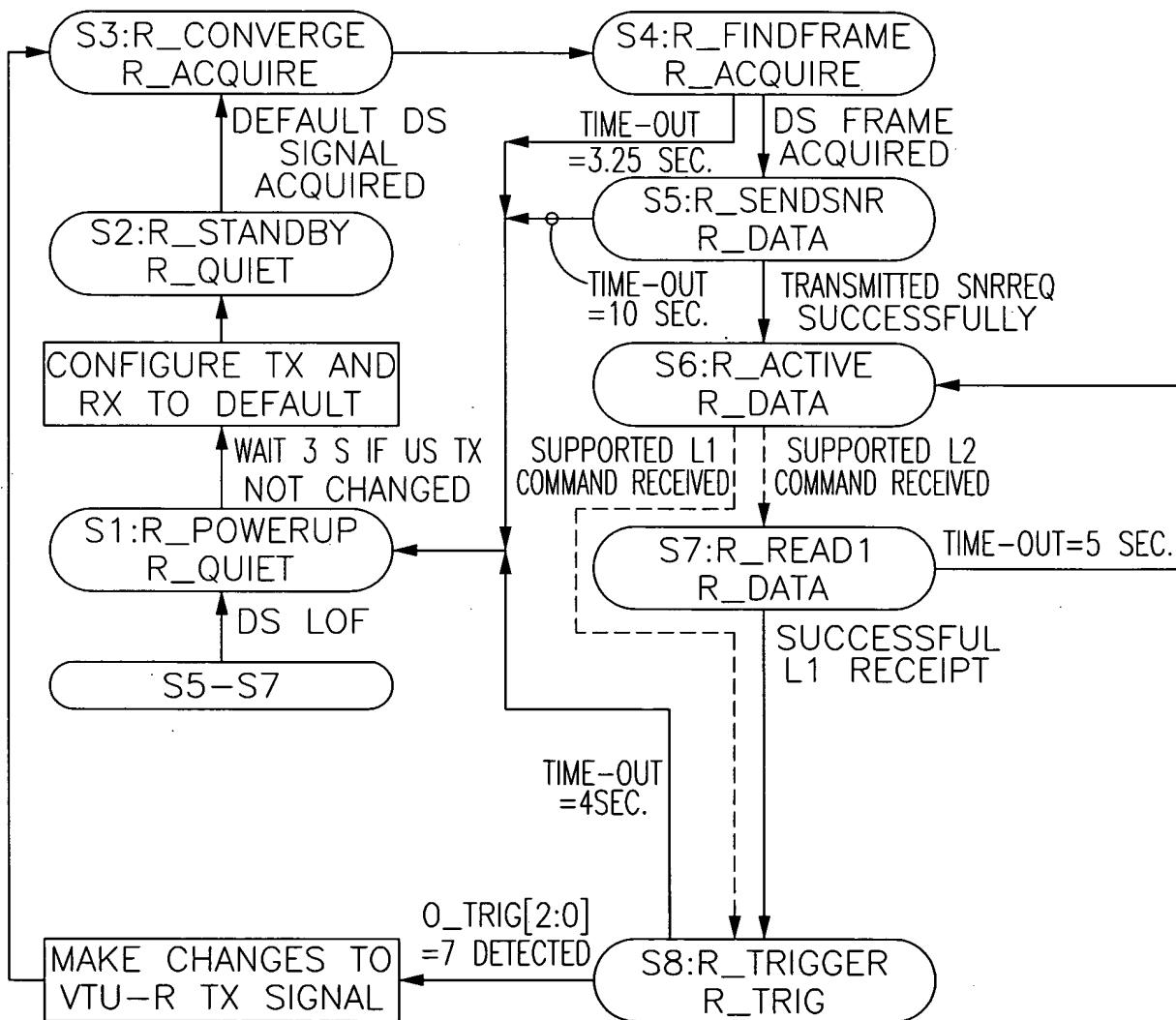
This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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JAN 31 2005



**FIG.8**



**FIG. 23**

MESSAGE NAME	MESSAGE TYPE	OPCODE FIELD	DATA FIELD	DESCRIPTION
IDLE	STATUS	0xFF	0x00	EOC TRANSPORT
UTC	ECHO	0xF0	SAME AS MESSAGED BEING UTC'ED	UNABLE TO COMPLY MESSAGE

**FIG. 24**

MESSAGE NAME	MESSAGE TYPE	OPCODE FIELD	DATA FIELD	DESCRIPTION
SNRREQ	COMMAND (READ) AND ECHO	0x01	2 MSBs=DS CHANNEL #; 9 LSBs = COMMAND:ALL ZEROS. ECHO: SPECIFIED DS CHANNEL SNR IN dB, LSB WEIGHT=1/8 dB	REQUEST THAT VTU-R SEND SNR DATA IN THE RETURN DATA FIELD
THRPUT	COMMAND (WRITE) AND ECHO	0x03	CODED TO CONVEY FINAL SELECTED TRANSMISSION PARAMETERS TO VTU-R	INDICATION TO VTU-R THAT RATE ADAPTIVE STARTUP IS COMPLETE.
CORERREQ	COMMAND (READ) AND ECHO	0x05	COMMAND:ALL ZEROS ECHO:EXPECT VTU-R'S CORERR DATA AS UNSIGNED INTEGER=# OF ERRORS(SATURATES AT 65,535)	REQUEST THAT VTU-R SEND NUMBER OF ERRORS CORRECTED BY RS IN THE RETURN DATA FIELD SINCE THE LAST CORERREQ
UCERREQ	COMMAND (READ) AND ECHO	0x07	COMMAND:ALL ZEROS ECHO:EXPECT VTU-R'S UCERR DATA AS UNSIGNED INTEGER=# OF ERRORS(SATURATES AT 65,535)	REQUEST THAT VTU-R SEND NUMBER OF UNCORRECTABLE RS BLOCKS IN THE RETURN DATA FIELD SINCE LAST UCERREQ

## ***FIG.25***

MESSAGE NAME	MESSAGE TYPE	L1/L2 CLASS	OPCODE FIELD	DATA FIELD	DESCRIPTION
D_CONST	COMMAND (WRITE) AND ECHO	L1	0x28	2 MSBs CHANNEL #; 6 LSBs = LOG2 (CONSTEL. SIZE)	REQUEST THAT SPECIFIED DS CHAN.# CONSTEL. BE CHANGED
D_NOM	COMMAND (WRITE) AND ECHO	L1	0x34	INDICATES WHICH NOMINAL DS SYMBOL RATE AND CENTER FREQ. SET TO USE	SELECT NOMINAL DS SYMBOL RATE AND CENTER FREQUENCY INDICATED IN DATA FIELD
U_CONST	COMMAND (WRITE) AND ECHO	L1	0x98	2 MSBs=US CHANNEL#; 6 LSBs=LOG2 (CONSTEL.SIZE)	REQUEST THAT SPECIFIED US CHAN.# CONSTEL. BE CHANGED
U_NOM	COMMAND (WRITE) AND ECHO	L1	0xA4	INDICATES WHICH NOMINAL US SYMBOL RATE AND CENTER FREQ. SET TO USE	SELECT NOMINAL US SYMBOL RATE AND CENTER FREQUENCY INDICATED IN DATA FIELD